

Converting Colors

`RYB(118, 206, 116)`

Have a look what the booklet for
RYB(118, 206, 116) contains.

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Color

R_YB(118, 206, 116)

Conversions

Conversions Part 1

Format	Color
Hex	CECC74
RGB	206, 204, 116
RGB Percent	81%, 80%, 45%
CMY	0.1922, 0.1998, 0.5451
CMYK	0.00, 0.01, 0.44, 0.19
HSL	59°, 48%, 63%
HSV	59°, 44%, 81%
XYZ	50.2092, 57.5892, 24.9925
YIQ	194.5660, 29.4400, -26.9440

Conversions

Conversions Part 2

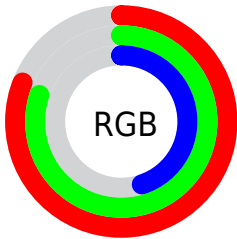
Format	Color
R _Y B	118, 206, 116
Decimal	13552756
CIE Lab	80.51, -11.80, 43.94
CIE LCh	81, 45.497, 105.033
Yxy	57.5892, 0.3781, 0.4337
Android (android.graphics.Color)	4291742836 (0xFFCECC74)
YUV	194.5660, -38.7330, 10.0276
Hunter-Lab	75.8875, -14.7029, 33.5949

Details

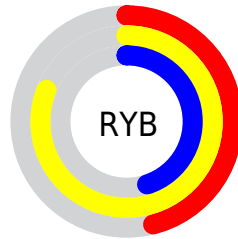
The RYB color **118, 206, 116** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **116, 118, 206**, and the grayscale version is **195, 195, 195**.

A 20% lighter version of the original color is **169, 255, 169**, and **65, 150, 65** is the 20% darker color. If you saturate the color by 10%, you get **97, 206, 95**, and if you desaturate by 10%, it is **139, 206, 137**.

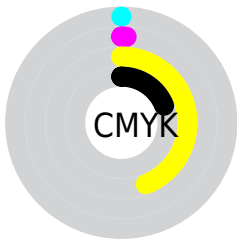
Distribution



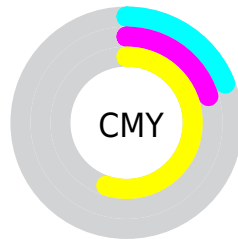
- Red (81%)
- Green (80%)
- Blue (45%)



- Red (46%)
- Yellow (81%)
- Blue (45%)



- Cyan (0%)
- Magenta (1%)
- Yellow (44%)
- Black (19%)



- Cyan (19%)
- Magenta (20%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the RYB color 118, 206, 116 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the RYB color 118, 206, 116 by changing the saturation by 10% instead.

 118, 206, 116


255, 255, 255

 169, 255, 169


 197, 255, 197

 226, 255, 226

 118, 206, 116

 91, 178, 90

 65, 150, 65

 40, 124, 41

 12, 99, 14

 0, 76, 5

 0, 53, 6

 0, 32, 10

 0, 3, 3

 0, 0, 0

■ 118, 206, 116

■ 118, 206, 116

■ 97, 206, 95

■ 139, 206, 137

■ 78, 206, 75

■ 158, 206, 157

■ 57, 206, 54

■ 179, 206, 178

■ 38, 206, 34

■ 198, 206, 198

■ 17, 206, 13

■ 206, 206, 219

■ 4, 206, 0

■ 206, 207, 240

■ 206, 207, 255

■ 206, 208, 255

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



218, 246, 118



118, 206, 116



138, 215, 195

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



118, 206, 116



0, 118, 255



255, 169, 223

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



118, 206, 116



116, 118, 206

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



231, 181, 255



118, 206, 116



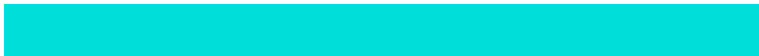
94, 161, 255

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



118, 206, 116



0, 112, 222



172, 191, 255



255, 167, 180

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



118, 206, 116



122, 191, 219



172, 191, 255



255, 172, 236

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



118, 206, 116



223, 255, 222



206, 116, 119



108, 128, 107



0, 0, 0



128, 128, 128

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



118, 206, 116



125, 255, 122



116, 206, 158



92, 102, 92



4, 166, 0



1, 38, 0

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



116, 118, 206



122, 125, 255



158, 116, 206



92, 92, 102



0, 4, 166



0, 1, 38

Previews

White Background



This preview shows how the RYB color 118, 206, 116 looks on a white background.

Color Contrast Check

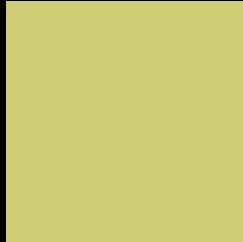
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the RYB color 118, 206, 116 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

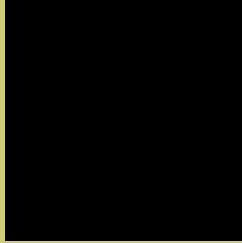
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

RYB 118, 206, 116 Background



This preview shows how black text looks on a background with the RYB color 118, 206, 116.



This preview shows how white text looks on a background with the RYB color 118, 206, 116.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).


Dichromacy



Original Color
118, 206, 116

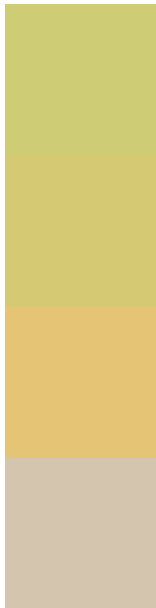
Protanopia
137, 219, 114

Deuteranopia
206, 242, 119



Tritanopia
216, 193, 208

Trichromacy



Original Color
118, 206, 116

Protanomaly
130, 214, 115

Deuteranomaly
165, 229, 118

Tritanomaly
200, 212, 175

Monochromacy



Original Color
118, 206, 116

Achromatopsia
195, 195, 195

Achromatomaly
167, 199, 166

CSS Examples

Text

The CSS property to change the color of the text to RYB 118, 206, 116 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(206, 204, 116)` looks like.

```
.text, #text, p{  
    color:rgb(206, 204, 116)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(206, 204, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 204, 116) }
```

Border

The CSS property to change the border of an element to RYB 118, 206, 116 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(206, 204, 116) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(206, 204, 116) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(206, 204, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 204, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 204, 116);  
box-shadow:4px 4px 4px 4px rgb(206, 204,  
116) }
```

Background

The CSS property to change the background color of an element to RYB 118, 206, 116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 204, 116) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(206,  
204, 116) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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